

## ***ArmaKleen Technical Service Report Summary***

**Cleaning Trial Type:** Aqueous

**Industry:** Window and door manufacturing

**Segment:** 34 – Mfg – Non-Metal (Plastic, Rubber, Glass)

**Soil:** oil and cutting fluids

**Substrate:** Stainless Steel

**Description of Part(s):** submitted an assortment of AISI 306 stainless steel clips

**Customer objective:** The customer was looking to improve their cleaning performance, reduce their cleaning costs, eliminate hazardous chemicals/waste and reduce VOCs.

**Cleaner used:** 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner

**Machine used:**

- Agitated Immersion Spray Washer (SK Model 81.8, Graymills T24)
- Spray Under Immersion Washer (Graymills T12, Graymills T24, SK Model 81.8 w/SUI)

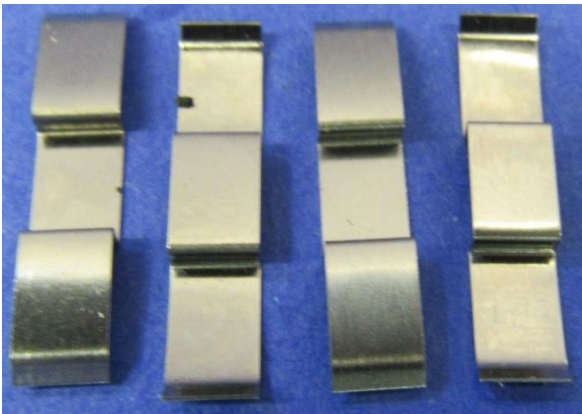
**Temperature used:** 150°F

**Time required:** 15-30 minutes

**Post Cleaning:** Fresh water rinse and placed in a 75°C oven for 30 minutes to dry

**Recommendation to Customer:** The ArmaKleen Technical Center recommends using a 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner at 150°F in an Agitating Immersion Washer or in a Spray-Under Immersion Washer for a minimum of 15-30 minutes.

**Before Picture**



**After Picture**



**Source:** TSR #17-A-139